

PATENT ATTORNEY DOCKET NO. 28438/US/2 ATTORNEY MATTER NO. 467084-000104

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of Murphy et al.))) Examiner: OUSPENSKI, I.
Serial No.: 10/600,997) Art Unit: 1644
Filing Date: June 20, 2003))
Entitled: Compositions and Methods for Modulating Lymphocyte Activity))))

DECLARATION UNDER 37 C.F.R. § 1.131

Assistant Commissioner for Patents Washington, D.C. 20231

The undersigned, Kenneth Murphy, Theresa Murphy, Norihiko Watanabe, and Jianfei Yang, hereby declare as follows:

- 1. We are the inventors of the invention claimed in the subject application.
- 2. Prior to October 25, 2002 we had reduced to practice a human BTLA cDNA comprising the nucleotide sequence set forth at SEQ ID NO:7 of the subject application and encoding the human BTLA protein amino acid sequence set forth at SEQ ID NO:8 of the subject application.
- 3. Attached hereto is a photocopy exhibit (Exhibit A) showing the determined nucleotide sequence of an isolated human BTLA cDNA clone and the amino acid sequence translation thereof, which correspond to SEQ ID NO:7 and SEQ ID NO:8 of the subject application, respectively. All the work described in this declaration and in the attached exhibit was carried out in the United States by the inventors, either directly or under our supervision, and was completed prior to October 25, 2002. The attached exhibit is a photocopy of a laboratory notebook page of coinventor Theresa Murphy. The actual date appearing on the laboratory notebook page has been redacted in the attached exhibit.

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4. We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date:	NORIHIKO WATANABE
Date: 9/21/06	THERESA MURPHY
Date: 9/21/06	KENNETH MURPHY
Date:	JIANFEI YANG

11 21 31 41 51 - 61 71 81 91 22 R L C P R R H L P A A W R P R E F D F F H H & Y V Q E M K T L P A CONCENTRATE CONC CCGTCTGTGC CCNCGTCGCA TGCTCCCGGC CGCCTGGCGG CCGCGGGAAT TCGATTTTTT CCATCACTGA TATGTGCAGG AAATGAAGAC ATTGCCTGCC 101 ATGETTGGAA CTGGGAAATT ATTTTGGGTC TTETTETTAA TECEATATET GGACATETGG AACATECATG GGAAAGAATE ATGTGATGTA CXGETTTATA ATGCTTGGAA CTGGGAAATT ATTTTGGGTC TTCTTCTTAA TCCCATATCT GGACATCTGG AACATCCATG GGAAAGAATC ATGTGATGTA CAGCTTTATA 5' 11 21 31 41 51 61 71 81 91 +2 1 K R Q S E H S I L A G D P F E L E C P V K Y C A N R P H V T W C K 201 TAAAGAGACA ATCTGAACAC TCCATCTTAG CAGGAGATCC CTTTGAACTA GAATGCCCTG TGAAATACTG TGCTAACAGG CCTCATGTGA CTTGGTGCAA 1. Seq TAAAGAGACA ATCTGAACAC TCCATCTTAG CAGGAGATCC CTTTGAACTA GAATGCCCTG TGAAATACTG TGCTAACAGG CCTCATGTGA CTTGGTGCAA 5' 11 21 31 41 51 61 71 81 91 10 >
+2 L N G T T C V K L E D R Q T S W K E E K N I S F F I L H F E P H L
301 GCTCAATGGA ACAACATGTG TAAAACTTGA AGATAGACAA ACAAGTTGGA AGGAAGAGA GAACATTTCA TTTTCATTC TACATTTGA ACCAATGCTT SEQ GCTCAATGGA ACAACATGTG TAAAACTTGA AGATAGACAA ACAAGTTGGA AGGAAGAGAA GAACATTTCA TTTTCATTC TACATTTTGA ACCAATGCTT 5' 11 21 31 41 51 61 71 81 91 38-+2 P N D N G S Y R C S A N P Q S N L I E S H S T T L Y V T D V K G A 401 CCTAATGACA ATGGGTCATA CCGCTGTTCT GCAAXTTTTC AGTCTAATCT CATTGACAGC CACTCAACAA CTCTTTATGT GACAGATGTA AXAGGTGCCT SEQ CCTAATGACA ATGGGTCATA CCGCTGTTCT GCAAATTTTC AGTCTAATCT CATTGAAAGC CACTCAACAA CTCTTTATGT GACAGATGTA AAAGGTGCCT 21 148 5' 11 21 10 31 41 51 61 71 81 91 71

+2 S. E. R. P. S. K. D. E. V. A. S. R. P. W. L. L. Y. S. L. L. P. L. G. G. L. P. L. L. T. T. F. C.

501 CAGAACGACC CTCCAAGGAC GAAGTGGCAA GCAGACCCTG GCTCCTGTAT AGTTTACTTC CTTTGGGGGG ATTGCCTCTA CTCATCACTA CCTGGTTCTG Seq CAGAACGACC CTTCAAGGAC GAAGTGGCAA GCAGACCCTG GCTCCTGTAT AGTTTACTTC CTTTGGGGGG ATTGCCTCTA CTCATCACTA CCTGGTTCTG IC. SEQ CHGRACGGCC CTCCAAGGAN GAA-TGNCAN GCAGACCCTG GCTCCTGTAT AGTTTACTTC CTTNGGGGGG ATTGCCTCTA CTCATCACTA CCTGTTTCTG 5'. 11 21 31 41 51 61 71 81 91 +2 L F C C L R R H O G K O N E L S D T A G R E I N L V D A H L K S E 601 CCTGTTCTGC TGCCTGAGAA GGCACCAAGG AAAGCKAAAT GAACTGTCTG ACACAGGGAAATT AATCTGGTTG ATGCTCACCT TAAGAGGGAG seq CCTGTTCTGC TGNCTGAGAA G-----rc.seq CCTGTTCTGC TGCCTGAGAA GGCACCAAGG AAAGCAAAAT GAACTCTCTG ACACAGCAGG AAGGGAAATT AATCTGGTTG ATGCTCACCT TAAGAGCGAG 5' 11 21 31 41 7.151 61 71 81 91 +2 Q T E A S T R Q N S Q V L L S E A G I Y D N D P'D L C F R M Q E G 701 CAAACAGAAG CAAGCACCAG CCAAAAATTCC CAAGTACTGC TATCAGAAGC TGGAATTTAT GATAATGACC CTGACCTTTG TTTCAGGATG CAEGAAGGGT NEQ CAAACAGAAG CAAGCACCAG GCAAAATTCC CAAGTACTGC TATCAGAAGC TGGAATTTAT GATAATGACC CTGACCTTTG TTTCAGGATG CAGGAAGGGT 5' 2¹⁵11 21 31 41 51 61 71 81 91 +2 S E V C S N P C L E E N K P G I V Y A S L N H S V I G L N S R L A R 801 CTGAAGTTTG TTCTAATCCA TGCCTGGAAG AAAACAAACC AGGCATTGTT TATGCTTCCC TGAACCATTC TGTCATTGGA CTGAACTCAA GACTGGCAAG 24311 cc.seq CTGAAGTTTG TTCTAATCCA TGCCTGGAAG AAAACAAACC AGGCATTGTT TATGCTTCCC TGAACCATTC TGTCATTGGA CTGAACTCAA GACTGGCAAG 5' 11 21 31 41 51 61 71 81 91 +2 N V K E A P T E Y A S I C V R S # V C & Q Q G P I T S E F A A 901 AAATGTARAA GAAGCACCAA CAGAATATGC ATCCATATGT GTGAGGAGTT AAGTCTGTNN CTGACNCCAA CAGGGNCCAA TCACTAGTGA ATTCGCGGCC 21 31 41 51 61 71 PTEYASICVRS#VC & QQGP rc.seq AAATGTAAAA GAAGCACCAA CAGAATATGC ATCCATATGT GTGAGGAGTT AAGTCTGTNN CTGACNCCAA CAGGGNCCAA TCACTAGTGA ATTCGCGGCC 5' 11 21 31 41 5 +2 A C R S T I W E S S R V G G L E 1001 GCCTGCAGGT CGACCATATG GGAGAGCTCC CANCGCGTTG GGGGCTTGGA AGGGTANNNG AATCANGAA rc.seq GCCTGCAGGT CGACCATATG GGAGAGCTCC CANCGCGTTG GGGGCTTGGA AGGGTANNNG AATCANGAA

EXHIBIT A